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PATENT  
2119-0107P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: CLARK, et al. Conf.: UNASSIGNED

Appl. No.: 09/049,121 Group: 2872

Filed: March 27, 1998 Examiner: PHAN,

For: VERTICAL COMB DRIVE ACTUATED DEFORMABLE  
MIRROR DEVICE AND METHOD



SMALL ENTITY TRANSMITTAL FORM

TECHNICAL CENTER 2800  
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MAY 14 2001

Assistant Commissioner for Patents  
Washington, DC 20231

May 14, 2001

Sir:

Transmitted herewith is an amendment in the above-identified application.

- Applicant claims small entity status under 37 C.F.R. § 1.27.
- The enclosed document is being transmitted via the Certificate of Mailing provisions of 37 C.F.R. § 1.8.
- The enclosed document is being transmitted via facsimile.

The fee has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR			PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL	34	-	43	=	0	\$ 9	\$0.00
INDEPENDENT	7	-	6	=	1	\$ 40	\$40.00
FIRST PRESENTATION OF A MULTIPLE CLAIM						\$135	\$0.00
						TOTAL	\$40.00

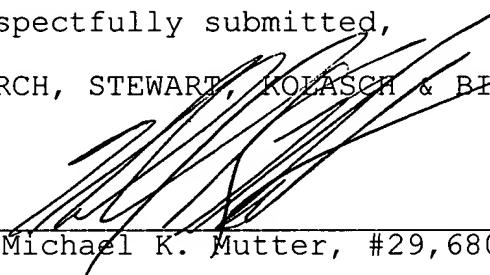
- Petition for ( ) month(s) extension of time pursuant to 37 C.F.R. §§ 1.17 and 1.136(a). \$0.00 for the extension of time.
- No fee is required.
- A check in the amount of \$40.00 is enclosed.
- Please charge Deposit Account No. 02-2448 in the amount of \$0.00. This form is submitted in triplicate.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOELASCH & BIRCH, LLP

By

  
Michael K. Mutter, #29,680

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

  
MKM/HAS/mpe  
2119-0107P

Attachment

(Rev. 01/22/01)



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5/22/01  
X8

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2119-0107P  
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IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: CLARK, et al. Conf.:  
Appl. No.: 09/049,121 Group: 2872  
Filed: March 27, 1998 Examiner: Phan, J.  
For: VERTICAL COMB DRIVE ACTUATED  
DEFORMABLE MIRROR DEVICE AND METHOD

Reply Under 37. C.F.R. §1.111

Assistant Commissioner for Patents  
Washington, DC 20231

May 14, 2001

Sir:

In reply to the Examiner's Office Action dated February 13<sup>th</sup>, 2001 [hereinafter the "Office Action"], the following amendments and remarks are respectfully submitted in connection with the above-identified application.

**AMENDMENTS**

In the Claims:

05/23/2001 TFL049R 0000003 022448 09049121  
01 FC:202 40.00 CH  
Please cancel claims 1, 3, 4, 12, 13, 19, 20, 22, and 28 without prejudice

or disclaimer of the subject matter contained therein.

Please amend the claims as follows:

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5. (Amended) A deformable mirror comprising:

a vertical electrostatic comb drive including a first array of stationary elements and a second array of moving elements correspondingly interspersed with said first array;

a reflective surface attached to said second array;

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